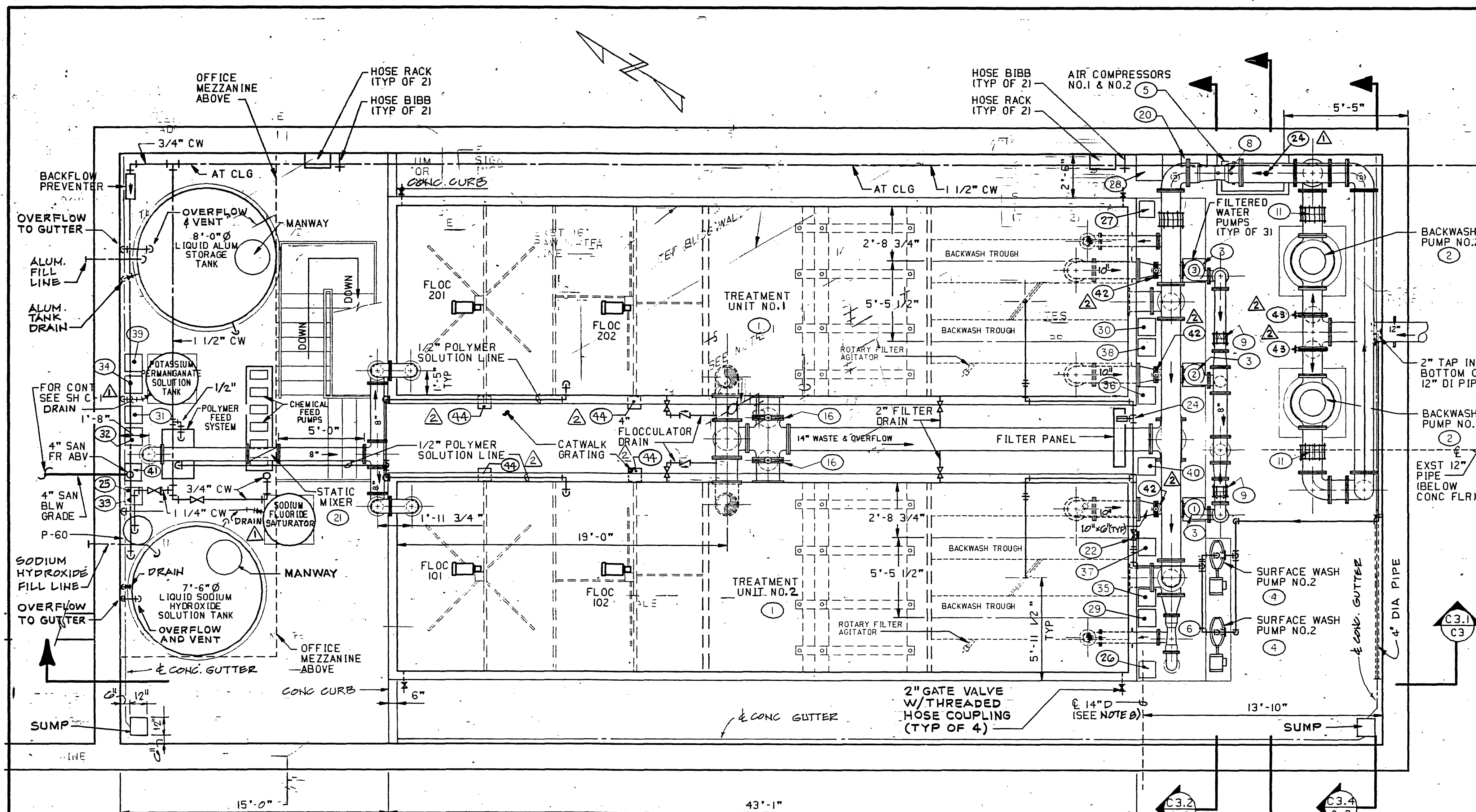
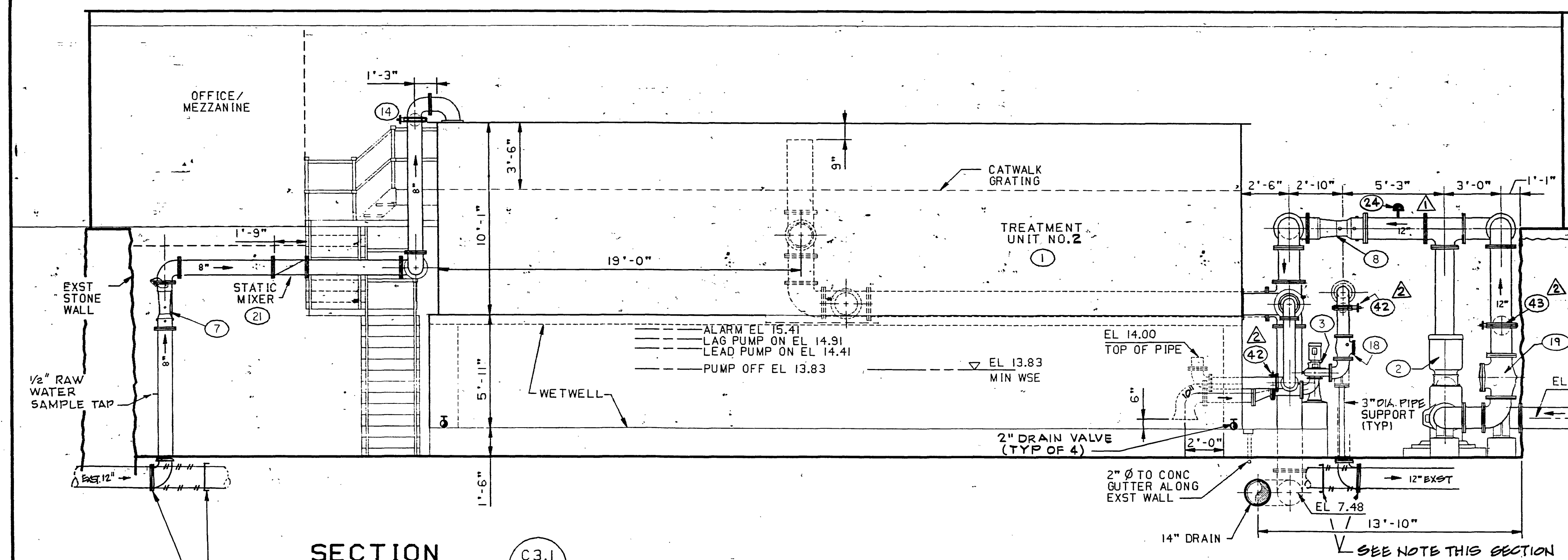




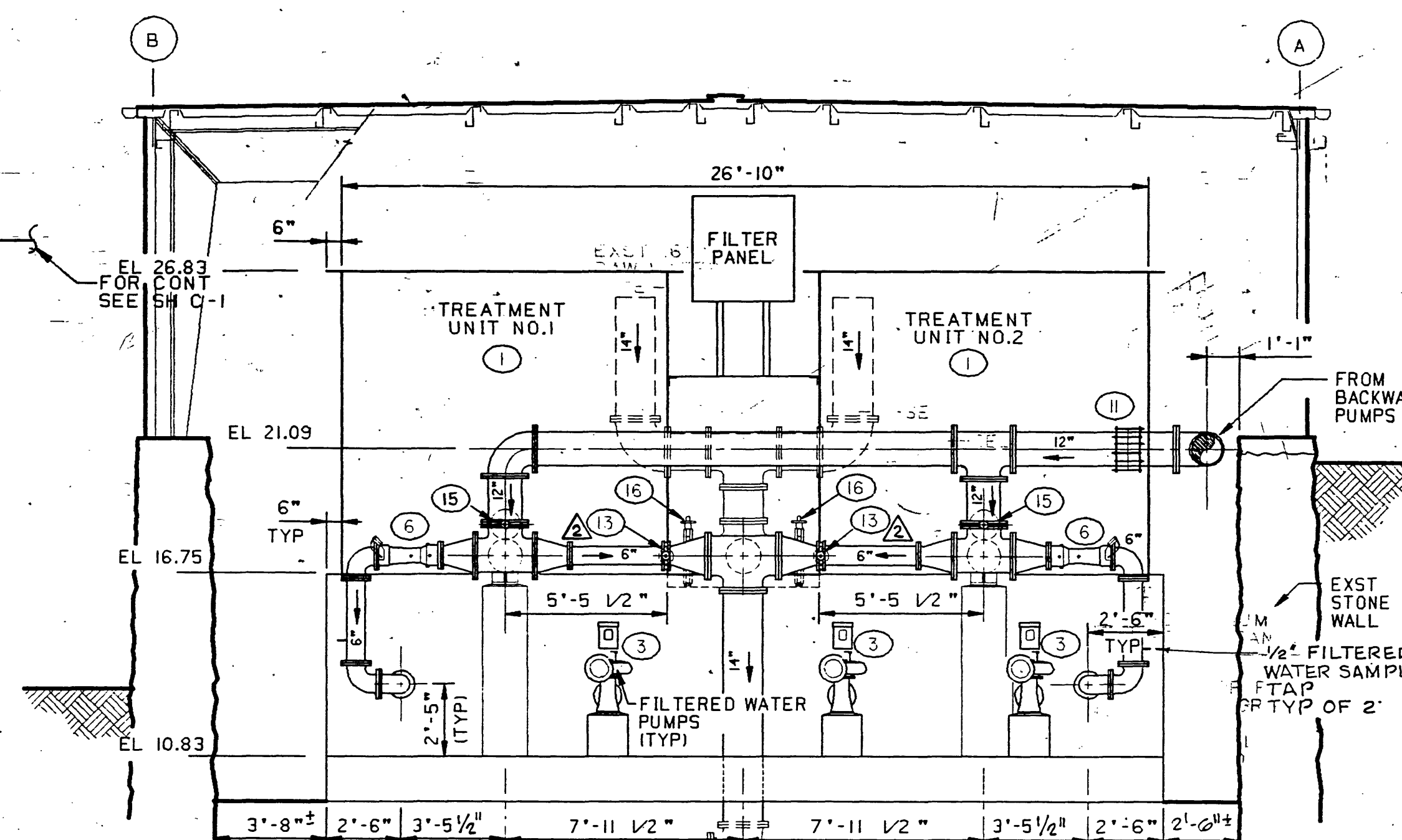
FLOOR PLAN
SCALE: 1/4"=1'-0"



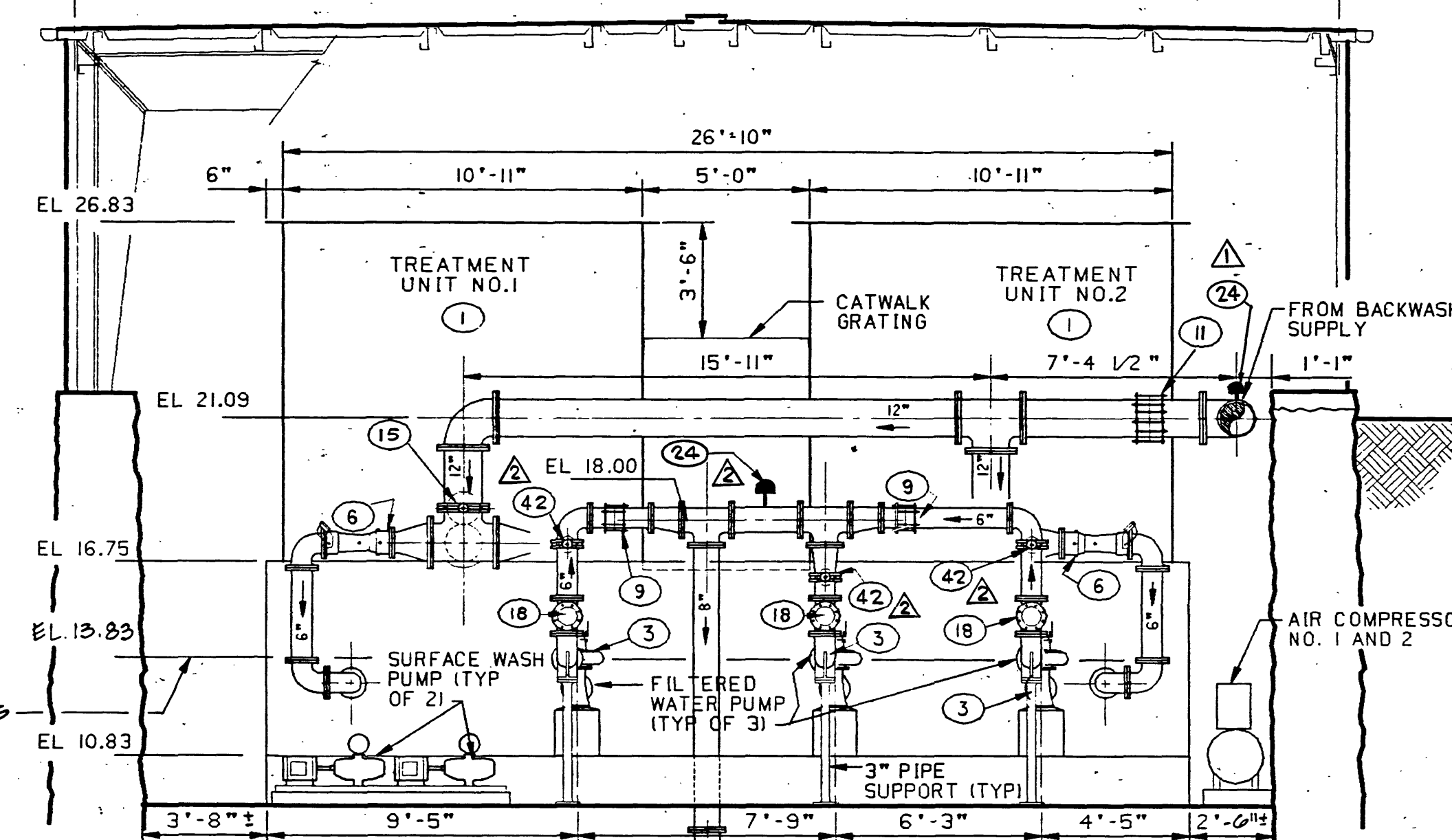
SECTION C3.1
SCALE: 1/4"=1'-0"

NOTE THIS SECTION:
CONNECT NEW 8" RAW WATER LINE TO EXST. 12" RAW WATER LINE WITH PROPER CONNECTION TO MATCH EXST. PLUG EXST. LINE ABANDONED IN PLACE WITH WATER TIGHT PLUG

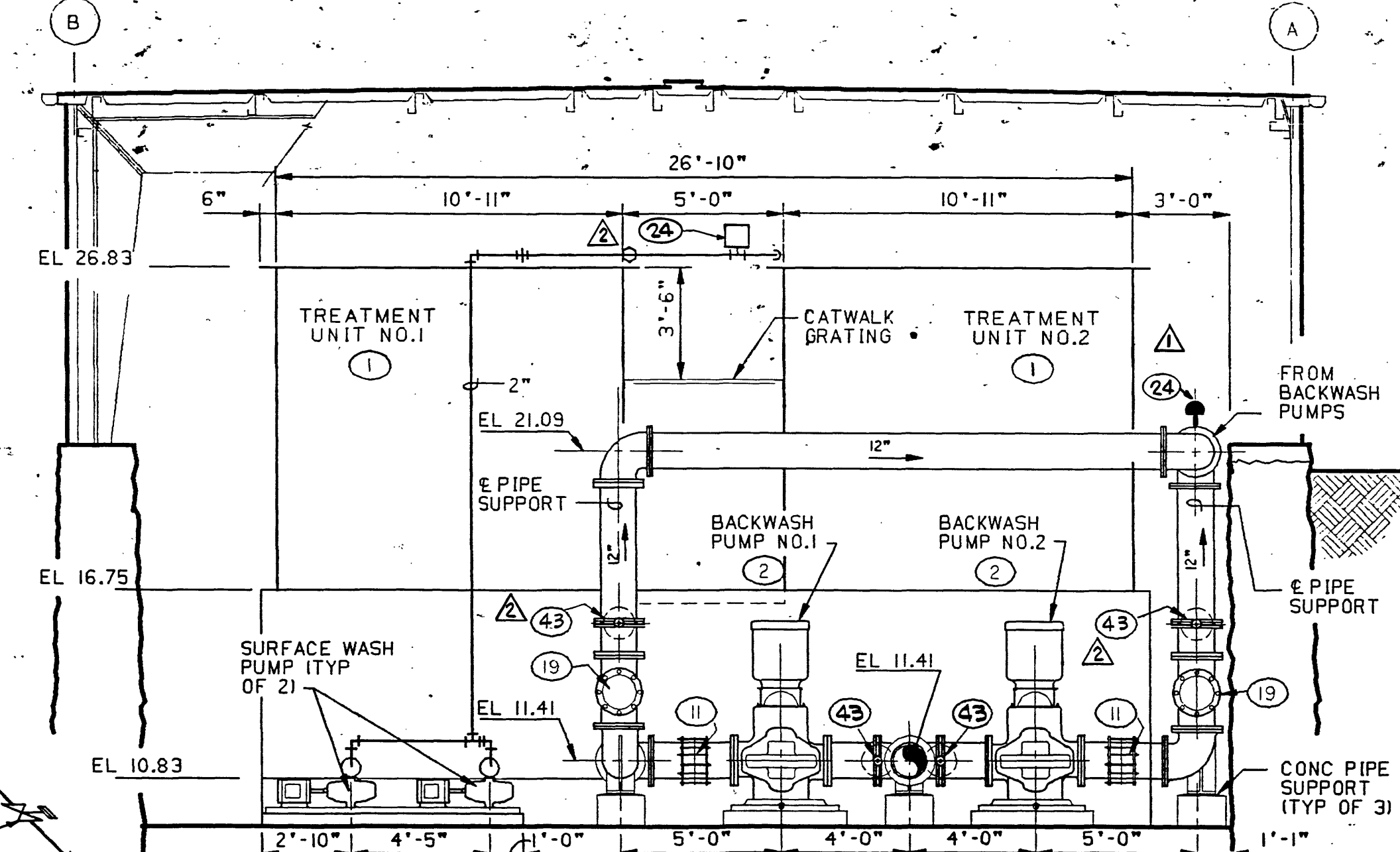
EQUIPMENT SCHEDULE					
ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
1	TREATMENT UNITS 1,2	13	6" BUTTERFLY VALVE (PNU CYL OPI)	25	RAW WATER FLOW TRANSMITTER
2	BACKWASH PUMPS 1,2	14	8" BUTTERFLY VALVE (PNU CYL OPI)	26	FILTER NO. 1 EFFL FLOW TRANS
3	FILTERED WATER PUMPS 1,2,3	15	12" BUTTERFLY VALVE (PNU CYL OPI)	27	FILTER NO. 2 EFFL FLOW TRANS
4	SURFACE WASH PUMPS 1,2	16	14" BUTTERFLY VALVE (PNU CYL OPI)	28	BACKWASH FLOW TRANSMITTER
5	AIR COMPRESSORS 1,2	17	2" CHECK VALVE	29	FILTER NO. 1 LOSS OF HEAD TRANS
6	6" RFC VALVE (PNU CYL OPI)	18	6" CHECK VALVE	30	FILTER NO. 2 LOSS OF HEAD TRANS
7	8" RFC VALVE (PNU CYL OPI)	19	12" CHECK VALVE	31	RAW WATER PH TRANSMITTER
8	12" RFC VALVE (PNU CYL OPI)	20	AIR DRYER	32	TREATED WATER PH TRANS
9	6" FLEXIBLE COUPLING	21	8" STATIC MIXER	33	FINISHED WATER PH TRANS
10	8" FLEXIBLE COUPLING	22	2" GLOBE VALVE	34	RAW WATER TURBIDITY TRANS
11	12" FLEXIBLE COUPLING	23	NOT USED	35	SETTLED WATER NO. 1 TURB TRANS
12	2" GATE VALVE	24	2" AUTO AIR-VACUUM RELEASE VALVE	36	SETTLED WATER NO. 2 TURB TRANS



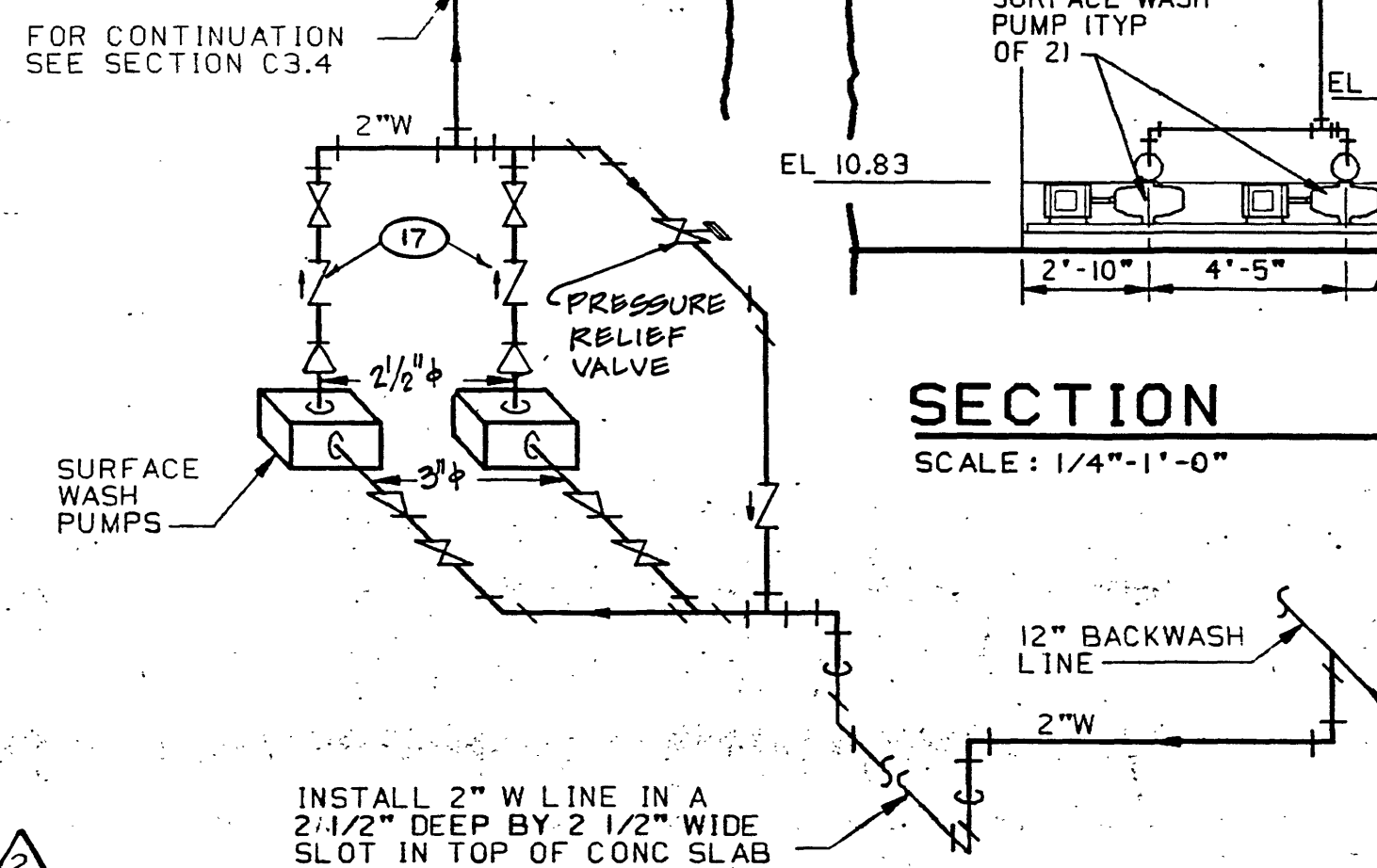
SECTION C3.2
SCALE: 1/4"=1'-0"



SECTION C3.3
SCALE: 1/4"=1'-0"

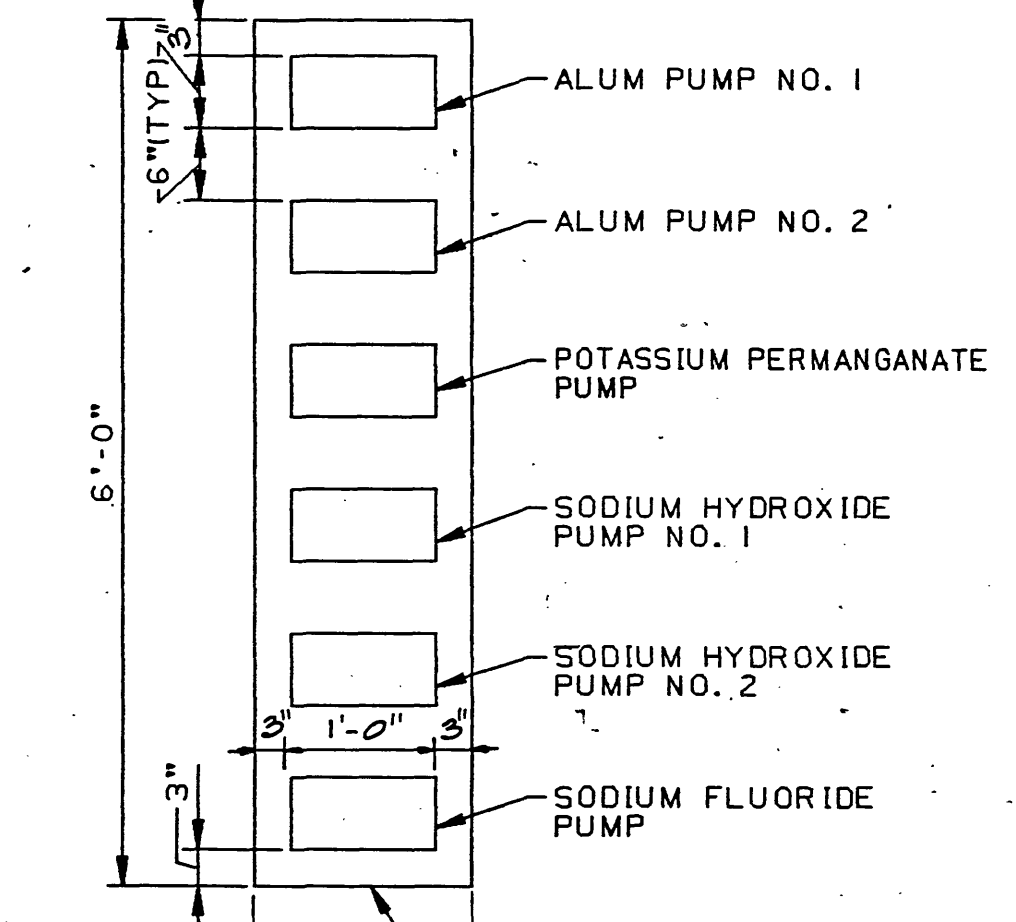


SECTION C3.4
SCALE: 1/4"=1'-0"

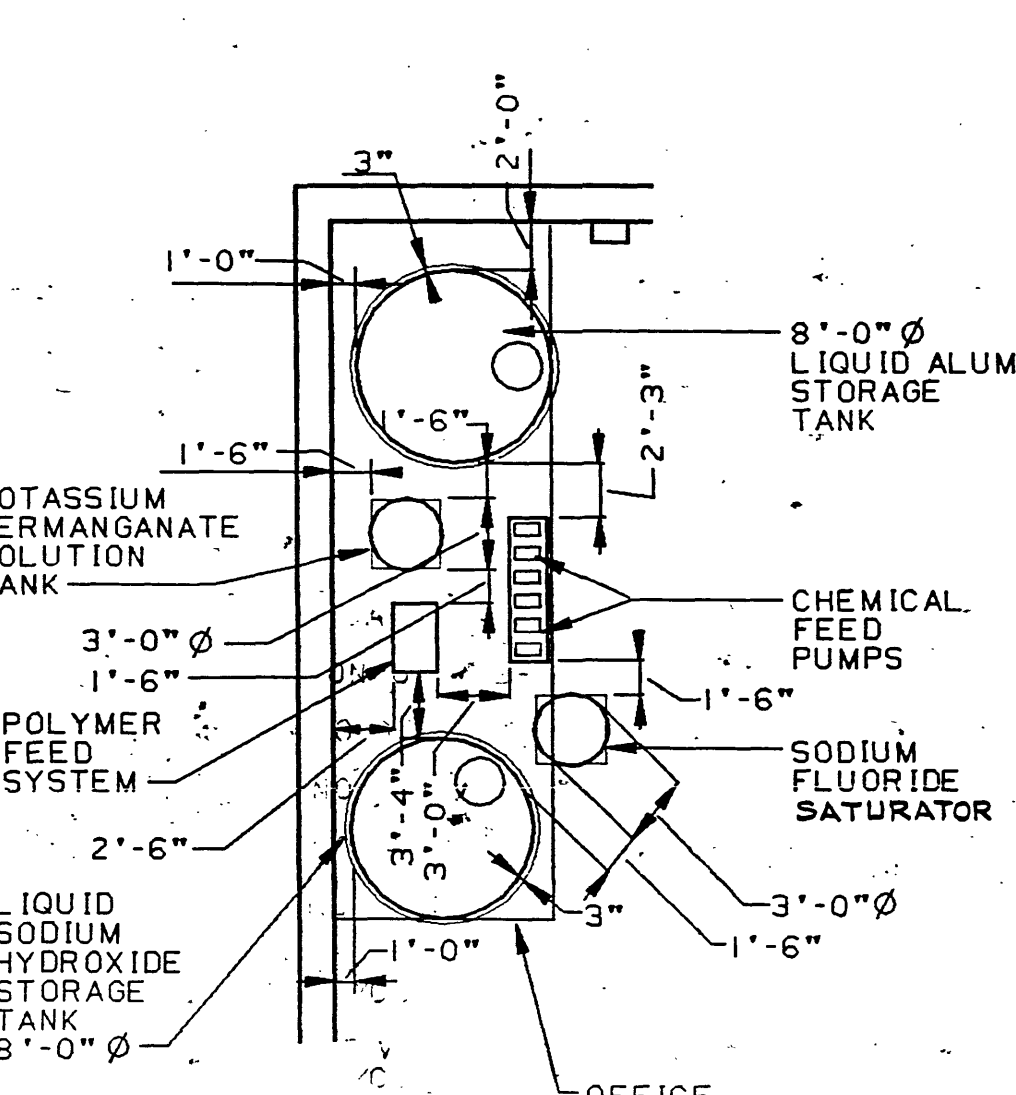


SURFACE WASH PUMP PIPING SCHEMATIC
NO SCALE

- NOTES:**
1. INSTALL ALL CHEMICAL FEED LINES BETWEEN TANKS AND CHEMICAL PUMPS IN A 1" WIDE SLOT IN THE CONCRETE SLAB.
 2. INSTALL WATER LINE BETWEEN NORTHWEST WALL OF FILTER BUILDING AND FLUORIDE TANK IN 1" DEEP BY 1" WIDE SLOT IN CONCRETE SLAB. SEAL SLOT AT CONNECTION WITH CONG. GUTTER.
 3. FOR PIPING OF CHEMICAL FEED SYSTEMS, SEE SCHEMATICS ON SH C-5.
 4. FOR WETWELL DIMENSIONS SEE SH S-2.
 5. FOR ELECTRICAL AND MECHANICAL EQUIPMENT, SEE SHEET E1.
 6. FOR TREATMENT UNIT AND PUMP CONTROLS SEE SH E-2.
 7. FOR FILTER CONTROL PANEL, SEE SH C-4.
 8. INSTALL 14" Ø CENTERED BETWEEN EXST PRESSURE FILTER FOUNDATIONS.
 9. FOR MONORAIL LOCATION, SEE SH S-3.
 10. FOR SURFACE WASH PUMP PIPING SEE SCHEMATIC THIS SH.
 11. RECONNECT EXST. FEE CHLORINATION LINE TO NEW 8" RAW WATER LINE 1' AHEAD OF STATIC MIXER.
 12. ALL ELEVATIONS SHOWN ON THIS SHEET ARE BASED ON EL. 1000.0 (IC EL 10.83 = 1010.83).

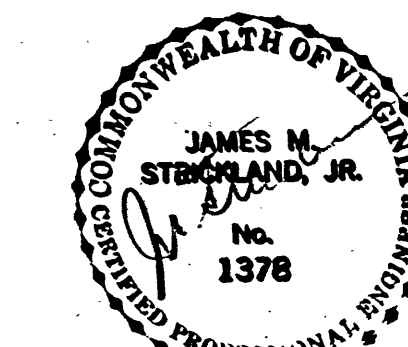


CHEMICAL PUMP LAYOUT
NO SCALE



CHEMICAL TANK LOCATION PLAN
SCALE: 1/8"=1'-0"

8/93 RECORD DRAWING			
8/89 ADDENDUM NO. 1	TSK	APR	
7/89 CHANGE PER VDH COMMENTS	TSK	APR	
REVISION	DATE	DESCRIPTION	BY APP
DESIGNED TSK	FALLING CREEK WATER PLANT CITY OF ROANOKE, VIRGINIA		
DRAWN KSJ	FILTER BUILDING EQUIPMENT LAYOUT AND PROCESS PIPING		
CHECKED MOD	HAYES, SEAY, MATTERN & MATTERN ARCHITECTS - ENGINEERS - PLANNERS ROANOKE, VIRGINIA		
APPROVED JRP	SCALE AS NOTED	CONV. NO. 4296	
SUBMITTED RD	DATE 30 MAY 1989	SHEET C-3	



4296.FALLCRK.C3
REV. D
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